

In the Claims:

Please amend Claims 1, 3 - 5, 7, 9 - 11 and 13 - 15.

1. (currently amended) A hydraulic cement coating composition for application to above ground structures comprising:

a dry mix including in parts by weight of hydraulic cement 100, silica sand 114 - 140, slag 7 - 11, microcrystalline sand 28 - 46, fumed silica 2 - 5, silica powder 4 - 8, fly ash 5 - 9, microsilica 9 - 12, mineral fiber 52 - 88, silica sand cement 2 - 5 and a high reactivity metakaolin 1 - 3, wherein the parts by weight is based upon a total amount of the dry mix;

a binder solution; and

a quantity of water, said dry mix and said binder solution being combined with said quantity of water.

2. (currently amended) The hydraulic cement coating composition for application to above ground structures of claim 1, wherein:

said hydraulic cement having a chemical formula of ~~Ca₃-Al₂O₆~~ ~~Fe₂O₃-CaO~~ Ca₃ Al₂O₆ Fe₂O₃ and being a type I hydraulic cement.

3. (currently amended) The hydraulic cement coating composition for application to above ground structures of claim 1, wherein:

said binder solution being a carboxylated acrylic copolymer, said quantity of said binder solution being 50 - 61 parts by weight, wherein the parts by weight is based upon the total composition.

4. (currently amended) The hydraulic cement coating composition for application to above ground structures of claim 1, wherein:

said binder solution being a redispersible polymer binder, 10 - 14 parts by weight of said redispersible polymer binder being combined with between 44 - 54 parts by weight of water, wherein the parts by weight is based upon the total composition.

5. (currently amended) The hydraulic of water cement coating composition for application to above ground structures of claim 1, wherein:

said quantity of water being 88 - 112 parts by weight, wherein the parts by weight is based upon the total composition.

6. (currently amended) The hydraulic cement coating composition for application to above ground structures of claim 1, wherein:

said fly ash having a mean diameter of 3 microns.

7. (currently amended) A hydraulic cement coating composition for application to below ground structures comprising:

a dry mix including in parts by weight of hydraulic cement 100, flint silica sand 95 - 117, microcrystalline sand 24 - 44, natural crystalline silica 9 - 13, fumed silica 2 - 4, silica powder 4 - 6, fly ash 1 - 3, a high reactivity metakaolin 3 - 7, microsilica 5 - 9, ceramic fiber 9 - 13 and silica sand cement 2 - 4, wherein said parts by weight are based upon a total amount of said dry mix;

a binder solution; and

a quantity of water, said dry mix and said binder solution being combined with said quantity of water.

8. (currently amended) The hydraulic cement coating composition for application to below ground structures of claim 7, wherein:

said hydraulic cement having a chemical formula of ~~Al₂O₃-CaO~~
~~SiO₂-Fe₂O₃-Na₂O~~ Al₂O₃ CaO SiO₂ Fe₂O₃ Na₂O.

9. (currently amended) The hydraulic cement coating composition for application to below ground structures of claim 7, wherein:

said binder solution being a carboxylated acrylic copolymer, said quantity of binder solution being 39 - 47 parts by weight, wherein the parts by weight is based upon the total composition.

10. (currently amended) The hydraulic cement coating composition for application to below ground structures of claim 7, wherein:

said binder solution being a redispersible polymer binder, 7.8 - 11.4 parts by weight of said redispersible polymer binder being combined with between 34 - 42 parts by weight of water, wherein the parts by weight is based upon the total composition.

11. (currently amended) The hydraulic cement coating composition for application to below ground structures of claim 7, wherein:

said quantity of water being 64 - 88 parts by weight, wherein the parts by weight is based upon the total composition.

12. (currently amended) The hydraulic cement coating composition for application to below ground structures of claim 7, wherein:

said fly ash having a mean diameter of 3 microns.

13. (currently amended) A hydraulic cement coating composition for application to above ground structures comprising:

a dry mix including in parts by weight a type I hydraulic cement having a chemical formula of ~~Ca₃Al₂O₆Fe₂O₃CaO~~ Ca₃Al₂O₆Fe₂O₃ 100, silica sand 114 - 140, slag 7 - 11, microcrystalline sand 28 - 46, fumed silica 2 - 5, silica powder 4 - 8, fly ash 5 - 9, microsilica 9 - 12, mineral fiber 52 - 88, silica sand cement 2 - 5 and a high reactivity metakaolin 1 - 3, wherein said parts by weight are based upon a total amount of said dry mix;

a binder solution; and

a quantity of water being between 88 - 112 parts by weight, said dry mix and said binder solution being combined with said quantity of water.

14. (currently amended) The hydraulic cement coating composition for application to above ground structures of claim 13, wherein:

said binder solution being a carboxylated acrylic copolymer, said quantity of said binder solution being 50 - 61 parts by weight, wherein the parts by weight is based upon the total composition.

15. (currently amended) The hydraulic cement coating composition for application to above ground structures of claim 13, wherein:

said binder solution being a redispersible polymer binder,
10 - 14 parts by weight of said redispersible polymer binder
being combined with between 44 - 54 parts by weight of water,
wherein the parts by weight is based upon the total composition.

16. (currently amended) The hydraulic cement coating composition for application to above ground structures of claim 13, wherein:

said fly ash having a mean diameter of 3 microns.